

Title (en)
AQUEOUS COATING COMPOSITION AND COATING METHOD USING SAME

Title (de)
WÄSSRIGE BESCHICHTUNGSZUSAMMENSETZUNG UND BESCHICHTUNGSVERFAHREN DAMIT

Title (fr)
COMPOSITION AQUEUSE DE REVÊTEMENT ET PROCÉDÉ DE REVÊTEMENT L'UTILISANT

Publication
EP 2862909 A1 20150422 (EN)

Application
EP 13806410 A 20130614

Priority
• JP 2012138010 A 20120619
• JP 2013066485 W 20130614

Abstract (en)
The objective of the present invention is to provide: an aqueous coating composition which has excellent adhesiveness to a plastic substrate and which is capable of forming a multilayer coating film, which has excellent finishing property and water resistance and in which mixing of the layers does not occur even when preheating is not conducted after coating and the next process of applying a finishing coat is performed thereafter; and a coating method using the composition. This aqueous coating composition is characterized by comprising an aqueous dispersion of a modified polyolefin (A), an aqueous acrylic resin (B) and a blocked polyisocyanate compound having a specific blocked isocyanate (C).

IPC 8 full level
C09D 175/04 (2006.01); **B05D 1/36** (2006.01); **B05D 7/00** (2006.01); **C08G 18/28** (2006.01); **C08G 18/40** (2006.01); **C08G 18/42** (2006.01); **C08G 18/48** (2006.01); **C08G 18/62** (2006.01); **C08G 18/70** (2006.01); **C08G 18/79** (2006.01); **C08G 18/80** (2006.01); **C09D 4/06** (2006.01); **C09D 5/00** (2006.01); **C09D 5/02** (2006.01); **C09D 5/24** (2006.01); **C09D 123/26** (2006.01); **C09D 133/00** (2006.01); **C09D 133/10** (2006.01)

CPC (source: CN EP US)
B05D 1/36 (2013.01 - US); **B05D 7/52** (2013.01 - US); **C08G 18/283** (2013.01 - EP US); **C08G 18/4063** (2013.01 - EP US); **C08G 18/4263** (2013.01 - EP US); **C08G 18/4833** (2013.01 - EP US); **C08G 18/6204** (2013.01 - EP US); **C08G 18/6254** (2013.01 - EP US); **C08G 18/706** (2013.01 - EP US); **C08G 18/792** (2013.01 - EP US); **C08G 18/8064** (2013.01 - EP US); **C08G 18/8093** (2013.01 - EP US); **C09D 5/002** (2013.01 - CN EP US); **C09D 5/022** (2013.01 - EP US); **C09D 5/24** (2013.01 - CN EP US); **C09D 123/26** (2013.01 - CN EP US); **C09D 133/00** (2013.01 - US); **C09D 133/10** (2013.01 - US); **C09D 175/04** (2013.01 - CN EP US); **C08K 2003/2241** (2013.01 - EP US); **C08L 2205/025** (2013.01 - CN); **C08L 2205/035** (2013.01 - CN); **C09D 4/06** (2013.01 - EP US); **Y10T 428/31551** (2015.04 - EP US)

Cited by
CN116179039A; CN112126303A; US11583890B2; WO2019015953A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2862909 A1 20150422; **EP 2862909 A4 20160302**; **EP 2862909 B1 20161019**; CN 104718260 A 20150617; JP 6073315 B2 20170201; JP WO2013191104 A1 20160526; US 2015175833 A1 20150625; US 9580619 B2 20170228; WO 2013191104 A1 20131227

DOCDB simple family (application)
EP 13806410 A 20130614; CN 201380032427 A 20130614; JP 2013066485 W 20130614; JP 2014521431 A 20130614; US 201314409339 A 20130614